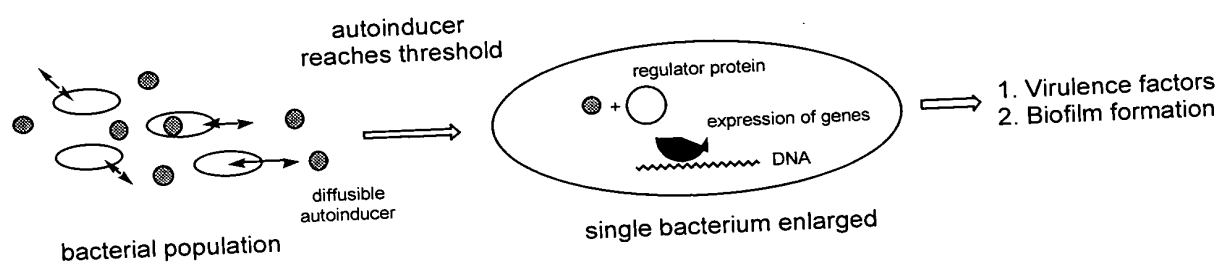


FIGURE 1



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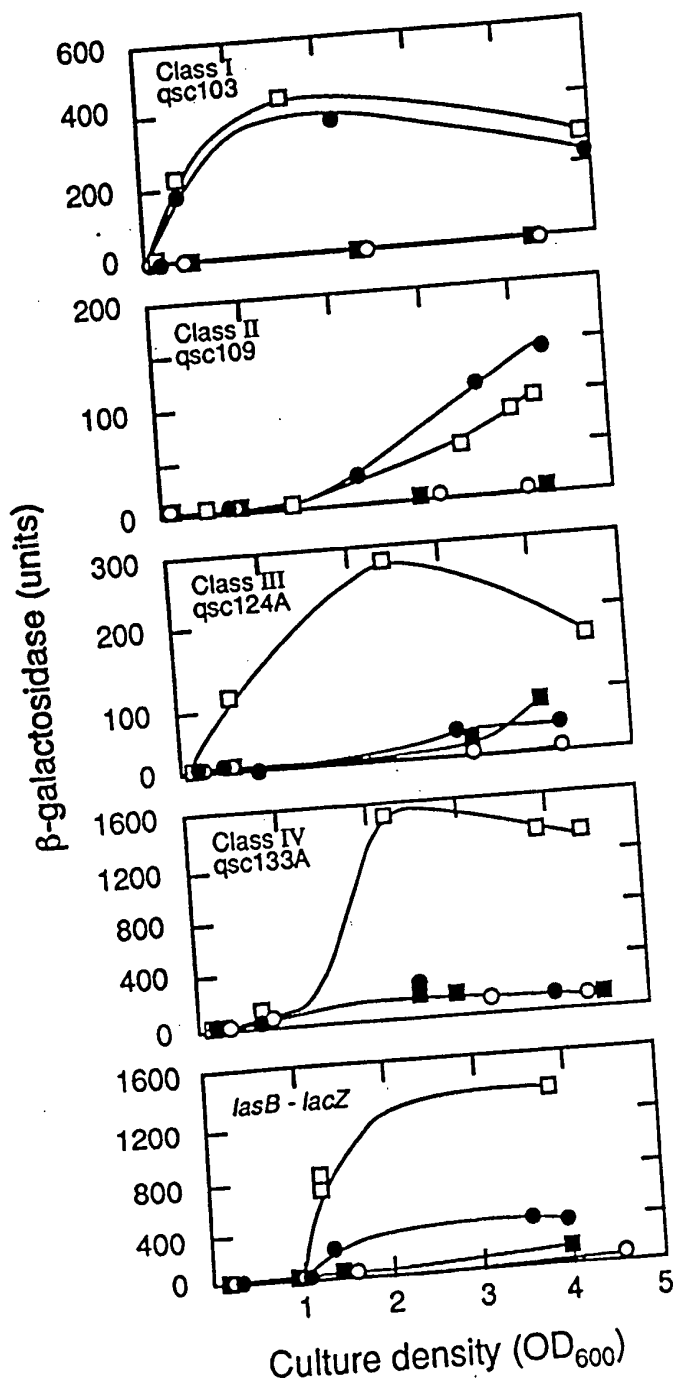


FIGURE 2

[illegible]

	10	20	30	40	50	60	70	80	
1	GACCATGGCG	CACGATCGGG	TCGATGGATG	TGTAGTCTTC	GGAGATATAT	CTGCTTTTCC	ATTCCCCTGG	GTAATTGGAC	80
81	AGGAAATGAT	ATTTAGGCGC	GGTCAGCGGG	AAAGGCGCCC	GCGCACCAGAA	TGAAAAGAAT	TCGAATCCAT	AATTACCGBA	160
161	TATCTTCGAG	ACCAGGAGCA	AGAATCTTCT	CTCGGTGTGT	ATTCCTTGACA	AAATCTCGAG	ATATCCCTCT	CTCTCATCAT	240
241	GCATGCCAGC	TTACAGGATC	AAACAATCGT	CCCCGCAGGA	TTCGGTTCTT	CAGCGTTTTT	ATTCTTTTTT	GTTTCGCTCT	320
321	TATCCACTCA	TGACAATTCC	CTTTATCAAG	CCGGACCTGG	AAGTACATAT	CGCCACCGGC	CCTGTGCGGG	TGTTCCGGAC	400
401	GAGGTCGAGC	CCATTGCGCG	CCCGCCGGGC	GACGACGAAA	CGAGGCTGAA	GAGAACTTCT	CGATGAGCAC	GGACACGAGG	480
481	CGCCGCGCAG	GAACTGCGCT	GGGCTGGAGG	GACGCGCGCC	CCGGATCTTT	GGCGAAACCG	TAGAACGGCT	CTCCGATGGG	560
561	CTCCACGGGC	GTCCTTCTCA	TGTGTTCTTC	CGCAGCTCTC	ATCGTCTGTT	GGAGAACCTG	CCGACAACAA	ACCTTGGCCC	640
641	ATGGCGGGCC	TCGTGACGCA	GGCTCCCCGG	GGACCAGAAA	TGGCAACTAC	ATACTTCCCC	CCCTATCTCT	CCGCAGATAC	720
721	CTGCCCGGAA	GGGCAGGTTG	TCCCTGCGCG	GCTGTGACAA	TTTAATTTCGA	CCAGGCATTT	CATTGTCCGT	GCCGATTTTC	800
801	ACGAAGCGCA	TTCTGAGGCA	ATTA AAAAAG	GCGCTCCATT	CGACCATGGA	CAAGCTATCC	ACGCCTGACC	GAGATCGCCT	880
881	TCCGAATATA	GCGAAGCGAT	ACCCCGCAGC	TGCCGAGAAG	TGCTTCAGAC	AATAAACAGG	ACGCTGGCCT	TTCGTATCGA	960
961	TGAAAGTTTC	GATCGGCGTC	CGCCCTTAAG	GAAAGAGAGA	TAAATATGAT	TTATTACTTG	ATCGGAGTGG	CGCTATTATC	1040
1041	CTTCATGCTG	GAACAGTTGG	TTCCCGGCTG	GAAATTGCCC	AAGGTGAGCA	CCTGGGTGGC	CCGGGTGATC	TTCCTCAACA	1120
1121	TCGTCCAGGT	GTCGATCGCC	CTGCTCGCCG	GCATCACCTG	GAACAAATGG	ATGATGGGGC	ACAGCCTGCT	GCACACCTCG	1200
1201	GATGCCCTGC	CACCATGCTT	GGCCGGCTTC	GCCCGCTACT	TCGTCAACAC	CTTCGTCAAC	TACTGTGTGG	ATCGCGCGCG	1280
1281	CCACGCCCAAC	GACACGCTCT	GGCGGCTGTT	CCACCAAGTT	CACCACCGCG	CGCAACGCAT	CGAGGTATTCT	ACCTCCTTCT	1360
1361	ACAAGCATCC	GACCGAGATG	GTCCTTCACT	CGCTGCTGGG	CAGCTTCGCT	GCTTACGTGG	TGATGGGCAT	CAGCATCTGAG	1440
1441	GCCGGCGCCT	ACTACATCAT	GTTTCGCCGG	CTCGGCAGAG	TGTTCTACCA	CTCGAACCTG	CGCACCCCGC	ACGTCTCTCG	1520
1521	CTACCTGTTC	CAGCGCCCGG	AGATGCACCG	CATCCACCAC	CAGCGCGACC	GTACAGAGTG	CAACTACAGC	GACTTCCCGA	1600
1601	TCTGGGACAT	GTTGTTTCGG	ACCTACGAGA	ACCCCGCGCG	CATCGACGAG	CCGCAAGGGT	TCGCCGGCGA	CAAGGAGCAG	1680
1681	CAGTTGCTCG	ACATGCTGCT	GTTTCGCGAG	GTGCACAGCC	TCCCCGAGAA	AACCCAGCCC	GCTCCCGTCC	TGGTCAAGCC	1760
1761	CGACGTCAGG	TGAACGCGAT	GATTCAGAGC	ATCGATTCCC	GTCTCAGCCG	GAACATATTG	AAATCCATCT	CGTATGGCCT	1840
1841	CCCCCTCGCC	GAAGTGGTCC	CCGACCATAC	CTATGCGCAA	CTGGAACGCG	GCCTCGGCGA	ACTGAAACGC	AGGTATCTGG	1920
1921	AGCTGCGCAT	CTCCACGGGC	GCGCGCGAGC	TGCCGTTTCA	CAACTACCTG	TCTTACCTGA	TCCTCCAGTC	GCGCCACCAG	2000
2001	GAATTTCGACT	TCAAGTCTGG	CCAGGGCACT	TCGGTGGTCA	CCAACATCCA	CCGATTCAAG	AGCAAGGGAG	GCATCCCGTC	2080
2081	CTGACGACCC	CTGCTCTCTG	CCGATGCTGC	CAACGCGAAG	AGCAGAGCTG	AGCTCAAGCA	TCGGGAGATC	CCGCAGCTCG	2160
2161	ACCGCCACGC	TCGCGACATC	GAGCGCTGGC	TGGCCGCGCG	CAACGCTCAT	CCGCCAGACG	AGCGGGCCCT	GCGCGGCTCG	2240
2241	GTTGAGGCGC	TGGAGCGCGC	CGCTGCGGAA	GGCCGTCCGT	TGCACCTGGT	GAGCGCGGTA	TGCCCCGACT	ACTCGCACTC	2320
2321	CAGCGATGCC	GAGGCGAAGC	CGCGCTACAC	CTTCGAGCGA	GTCCGGCACC	AGCCCCGCGT	GGCCGGCGCC	AAGCTGGTCA	2400
2401	GCGCCGGGCA	GGCGGTGGCG	GAGCTGGCCA	GGGCGCGCCA	GGTGGAAATC	CGCCACGCGA	TCCTCGGCGG	CGAGTTCGAG	2480
2481	TACCTATCGT	TCAACGCGAA	CCCCCGCAC	GGCGAGACCC	GCGAGAGTTT	CTTCGGCAAG	GTCGAGCGCC	AGCTGAGCGC	2560
2561	GATCGCCGGG	GCCCTGCCCT	GCCCGGCCGC	GACCTGCTCG	TTCTTCGAGA	TGTGCGGCGG	CGAGGACGGC	TGGCACCAGG	2640
2641	CCCACGCGCA	GATCGTCCAG	CGCCTGGAAC	AGGCGCACTA	CGGCCAGACC	GGGCTGGACT	ACCCGCGCCT	GGAATCGATC	2720
2721	TTCTTGTCGC	GCTTGCCGCT	CTACGAGAAA	TGGTGTGCCT	CGCAGTCCGC	CGAGCAGATC	TGGGCCAGAT	TCGTTCTCCA	2800
2801	GGCCCTGCGC	TACGACTTGA	TGGGAAAATT	CTTCGGCGAG	CGCTTCGACA	ACTTCGTCGT	GCTGGCCGCT	GATCACTACC	2880
2881	GGATGGAGCC	GTTCTACTCG	TTCTTCGCGA	CCGTCCCGAC	GCTCTACATC	CGAACCGACT	ACCTGTAACG	AGGAGACGCC	2960
2961	TGCGCCATGC	AAGATGAACT	GTTCAAGACC	CGATACTCCA	AGTACGGATA	CGGCATCGAC	GTGCGCCGTA	CCTACAAGGA	3040
3041	CCTGCCCTGC	CAGCCGTTCT	GGACCTGGGT	CACCGCGGAC	TCGCTGAACG	ACCGCCCGCG	GCGACGGCGC	AAAGACACCC	3120
3121	TGCTCAAGCG	CTGGCAGCTC	TACCTGACCA	TCAGTTGGGG	CTACGCGGTT	TTCTTCTCTG	CGGTGATCTA	CCGCCAGCAA	3200
3201	CTGCTCGCCT	CGCAGCAGCC	ATTGTGGTCT	AAGTGCCTGC	TGGGCGCGTT	GATCATGTGC	CTGGTGCTCA	ACCGCCAGCG	3280
3281	TGGCTTCCTC	CATACCTTCC	ACTACACCAC	CCATGGCGCC	AGCCTGGAGA	ACAAGGCGCT	GGCCCCGCTT	ACCTGCAAGT	3360
3361	GGATCCTGTC	GATCCCGATC	CTGCACACCC	CGCGCGACGA	GTACGTGAAG	CTGCACGTGA	ACGAACACCA	CAGCGTGCGC	3440
3441	ACCTTCAATA	CCGAGCACGA	CGTCGACCTG	GTCTTACATG	AACAGCACGG	CTTCTACAAG	GGCATTTCCG	AGAGCGCCTT	3520
3521	CTGGACCCGC	CTGGTGCTCG	CGCCCTTCCA	TCCGGCGCGG	ATCCTCTGAGC	ACCTGAAGTT	CCGTTTCCG	GTAGCTTCTG	3600
3601	TTCCGCGCCC	CGCCACGAGC	CGCGTCAAGC	GGGCGCTCTA	CTGGGCTGCG	CTGCTCGGCC	TGGTGTACGC	CAGCGGCTAC	3680
3681	CTGGAGGCGT	TCGCGCTGTT	CTACCTGTTC	CCGATCTTCA	TCCTCACCCA	GTA	CTGCTGCG	TGGATCCAGC	3760
3761	GCACCTCTGG	TTCGCCCGCA	ACGAGCACGG	CCTGCCCGCG	TTCTTGCACT	ACGGCTCGCT	GAGCTGGGGA	CGCTTCTCTG	3840
3841	GCCGCCCCTA	CCCGGCCGAC	AAGCAGGGCC	TGGCCTTCGC	CCTGGCGTTC	GTTCTGCTGGA	GCCTGGGCGT	GCTGCTGATC	3920
3921	GACATCCCGC	TGCGGGTGTT	CTCCTTCATG	CAGGACCTGC	CCAGCACGCA	CTTCACCATT	CGAAGCCCGG	GAGTGA	4000
	10	20	30	40	50	60	70	80	

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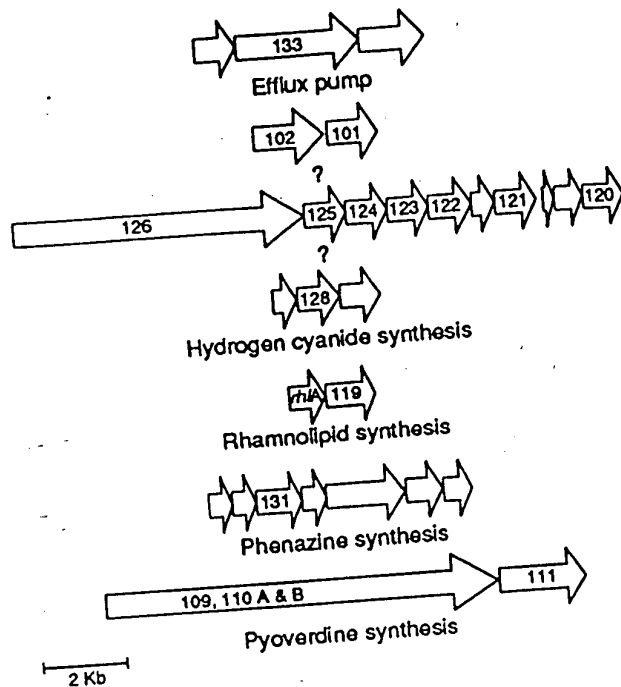
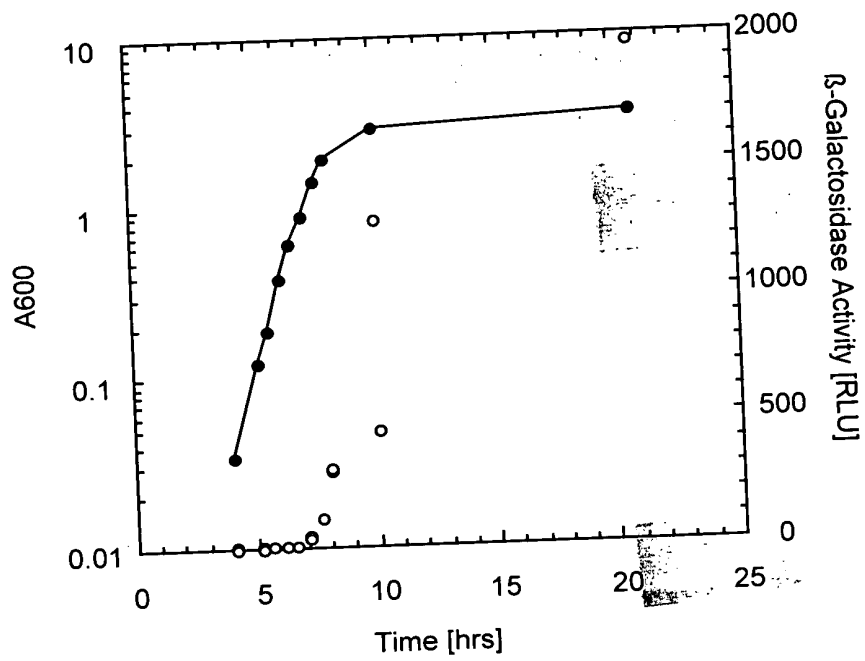


FIGURE 4

FIGURE 5



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00F060-062E5960

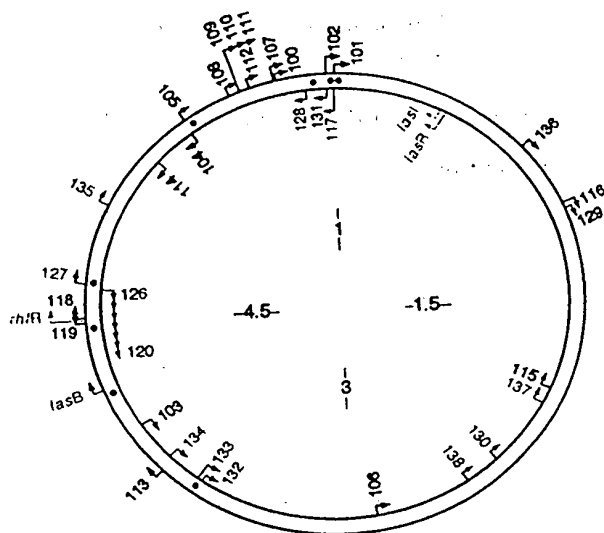


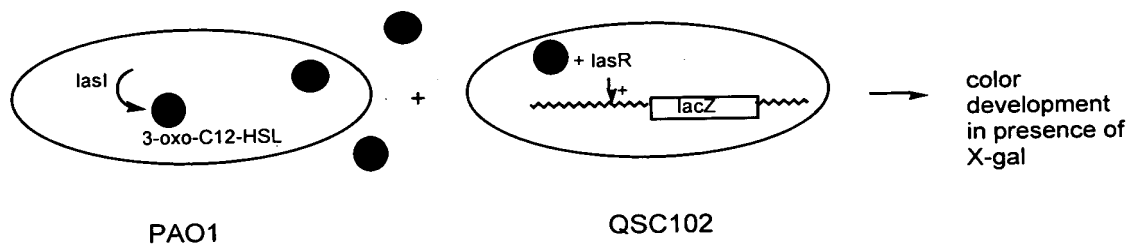
FIGURE 6

00653730-090400

qac102	A	C	T	G	C	C	C	G	G	A	A	G	G	C	A	G	G	T	T
qac104	A	A	C	T	A	C	C	A	G	T	T	C	T	G	G	A	G	T	T
qac117	C	A	C	T	G	C	C	A	G	A	T	C	T	G	G	C	A	G	T
qac126	A	C	C	T	A	A	C	A	G	A	T	T	T	G	T	A	A	G	T
qac128	A	C	C	T	A	C	C	A	G	A	T	T	T	G	T	C	A	G	T
qac131	A	C	C	T	A	C	C	A	G	A	T	C	T	T	G	T	A	G	T
qac132AAB	C	C	C	T	A	C	G	C	G	G	C	C	T	T	G	G	A	G	T
rhlAAB	T	C	C	T	G	T	G	A	A	A	T	C	T	G	G	C	A	G	T
rhlI	C	C	C	T	A	C	C	A	G	A	T	C	T	G	G	C	A	G	T
lexB	A	C	C	T	G	C	C	A	G	T	T	C	T	G	G	C	A	G	T

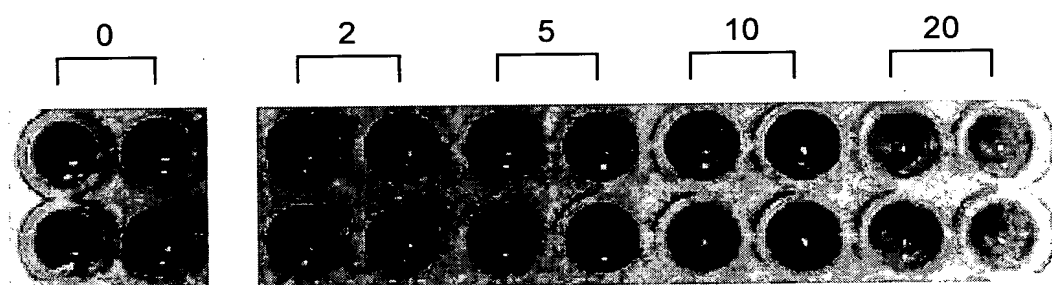
FIGURE 7

FIGURE 8



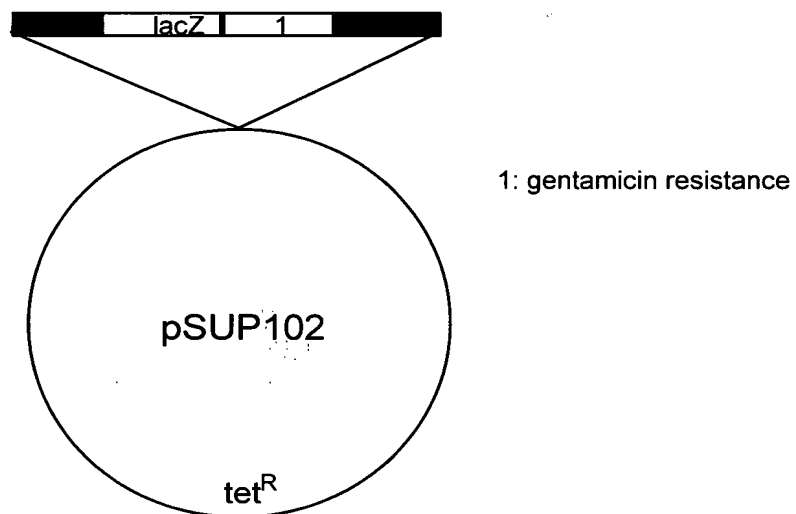
00F060-0E2E5960

FIGURE 9



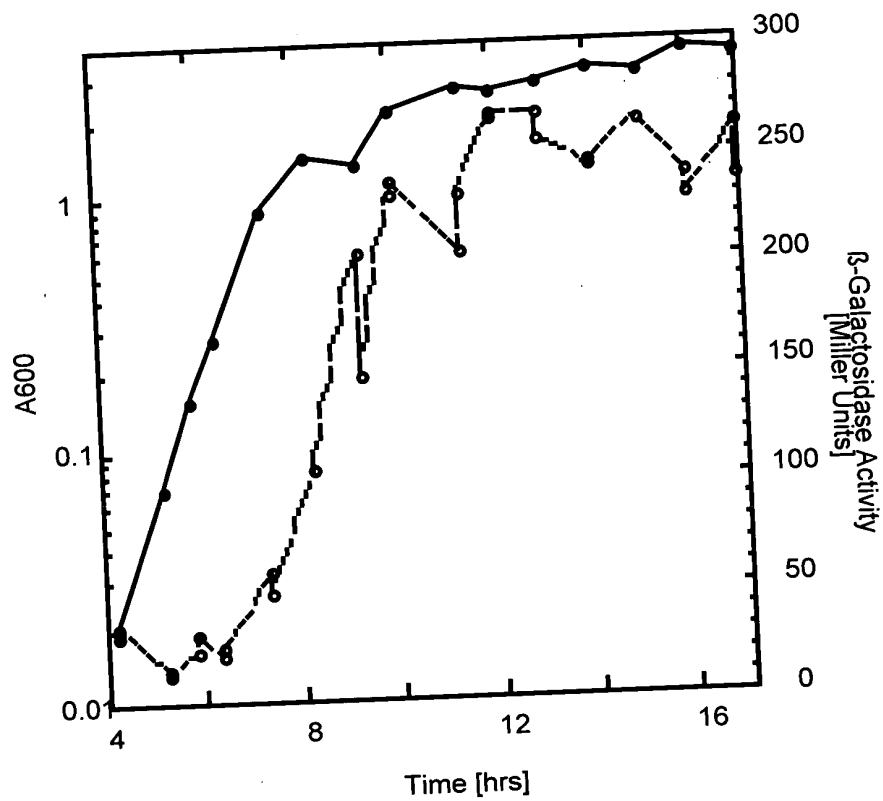
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FIGURE 10A.



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FIGURE 10B



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FIGURE 11

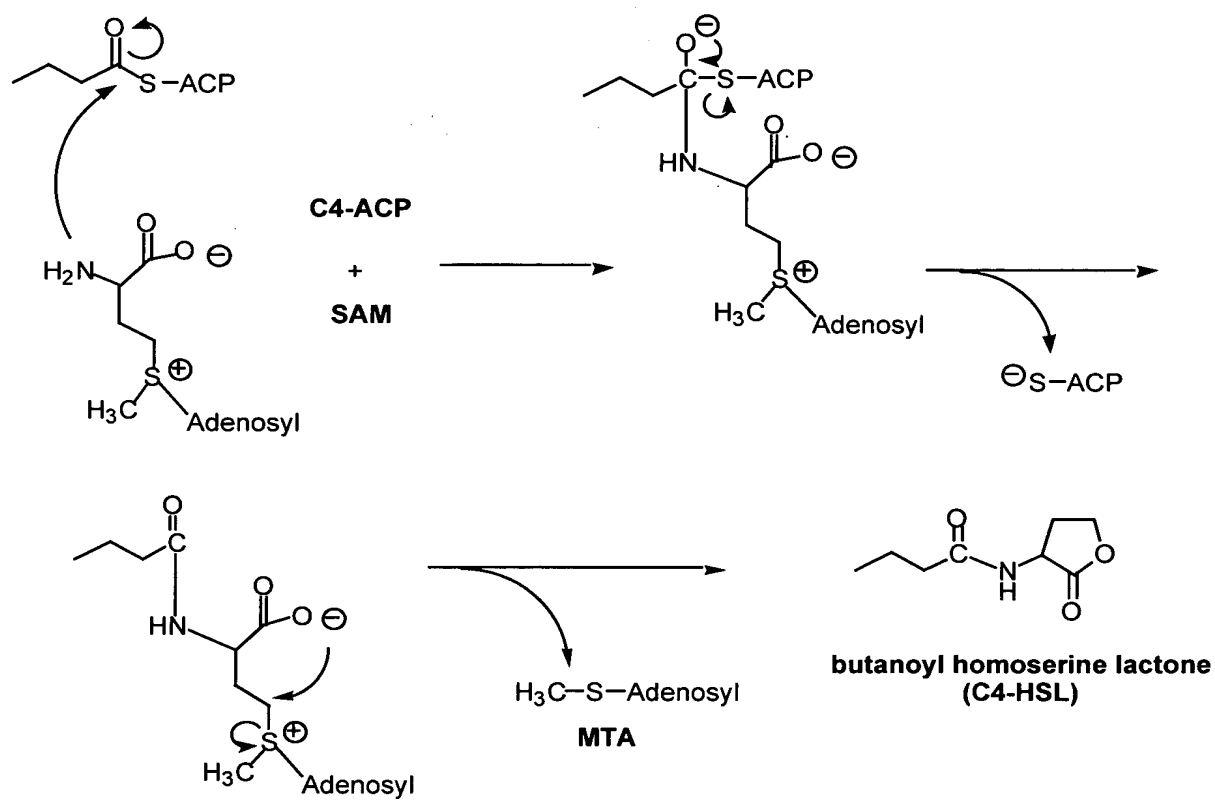
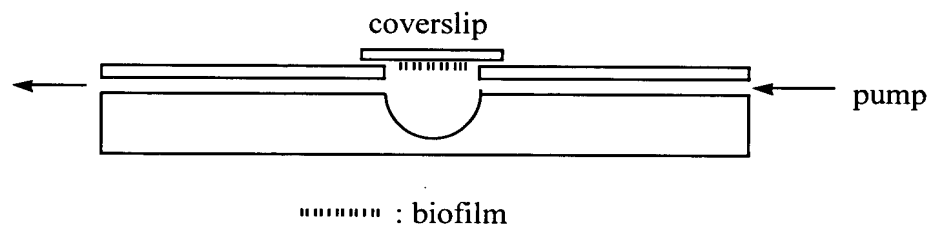


FIGURE 12



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